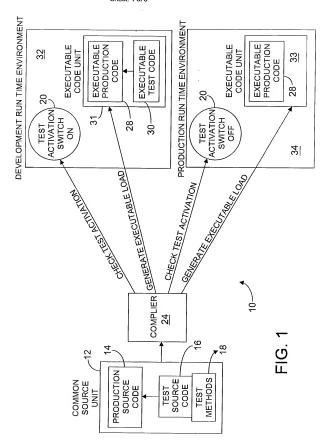
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```
    productive class:

           defination
         class OPERATIONS definition.
           public section.
              class-methods:
    14a
                ADD importing A type I
                                B type I
                     returning VALUE (RESULT) type I.
 14
         endclass.
         * implementation
        class OPERATIONS implementation.
          method ADD.
    14b
             BESULT = A + B
          endmethod.
        endclass.
          2. test class:
          definition
        class TEST OPERATIONS definition for testing.
    18a
          public section.
            methods TEST ADD for testing
        endclass.
       * implementation
        class TEST OPERATIONS implementation.
          method TEST ADD.
            test data: variable needed to store the result from the productive method:
16
            data: ACTUAL_RESULT type I.
            call the method under test:
            ACTUAL RESULT = OPERATIONS=≯ADD
   18bโ
            compare the result with the expected value:
            CL AUNIT ASSERT => ASSERT EQUALS (
              ACT = ACTUAL RESULT
              EXP = 8
              MSG = 'this is the message which occurs if the test failed'
            ) .
          endmethod
                                                           FIG. 2
        endclass.
```

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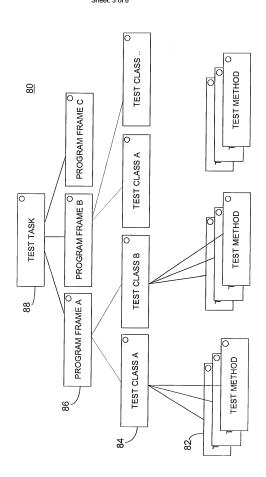


FIG. 3

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ASSERT_EQUALS (ACT = ACTUAL RESULT

EXP = EXPECTED_RESULT MSG = 'this test has failed' QUIT = QUIT_VALUE). 57 58

Where QUIT_VALUE defines at which level the test flow should be interupted:

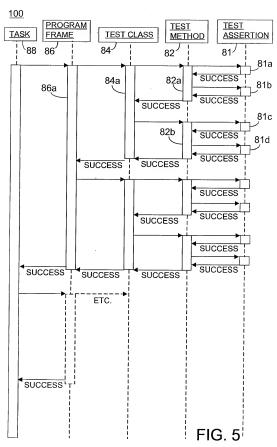
- NO: continue the current test method.
- METHOD: interrupt the current test method.
- CLASS: interrupt the test class execution.
- PROGRAM: abandon all test class executions of the currently tested program frame.

FIG. 4

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200 **PROGRAM** TEST TEST **TASK TEST CLASS** FRAME METHOD ASSERTION 84 88 86 81-82 81a FAILURE, = NO FAILURE 84a į 81b 86a SUCCESS 81c FAILURE, METHOD 81d FAILURE SKIPPED 82b 81e FAILURE, CLASS **FAILURE** SKIPPED 81f 82c SKIPPED 82d 81g FAILURE, PROGRAM FAILURE SKIPPED -82e 84b 81h SKIPPED' TEST NEXT PROGRAM 86b FIG. 6